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TITLE

FLAVONE AND NAPHTHALENE

**DERIVATIVE** 

HO  $R_2$   $R_3$   $R_3$   $R_3$ 

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain the subject derivative useful as an estrogenic agent for preventing and treating diseases such as menopausal disorders, prostatic

cancer and prostatomegaly.

SOLUTION: This new derivative is a flavone or naphthalene derivative shown by the

formula (R<sup>1</sup> is OH or H; R<sup>2</sup> is a nonsubstituted 1-6C alkyl or nonsubstituted 2-6C alkenyl having one double bond; R<sup>3</sup> is H or a

nonsubstituted 1-4C alkyl; R4 and R5 are each H or a

nonsubstituted 1-4C alkyl; R<sup>6</sup> is OH, a halogen or nonsubstituted 1-4C alkyl; X

is O or methylene; bond bearing ...mark is a single or double bond), e.g.

5,7-dihydroxy-2-(4-hydroxy-3- methoxyphenyl)-8-(3-methyl-2-butenyl)-4-chromanone.

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